

A Case of Undifferentiated Sarcoma on Right Forelimb in a Dog

Jonghyun Yoo, Hyunjung Sung, Deayoung Kim¹, Chaeyoung Lim and Heemyung Park*

BK21 Basic & Diagnostic Veterinary Specialist Program for Animal Diseases and Department of Veterinary Internal Medicine, College of Veterinary Medicine, Konkuk University, Seoul, Korea

¹Department of Veterinary Pathobiology, College of Veterinary Medicine, University of Missouri-Columbia, U.S.A.

Signalment: A 7-year-old intact female Shi-Tzu dog was referred complained of multifocal skin mass on dorsal part of right forelimb and interdigital area. Surgical removal was tried previously in local hospital, but masses reoccurred at original surgical site.

Results: In fine needle aspiration of the mass, malignant epithelial cells with mitotic figure were observed. Radiography of right front limb showed soft tissue opacity of the masses without the digital bone involvement. Immunohistological study of the tumor provided negative results of cytokeratin and CD31. Accordingly, the case was diagnosed with undifferentiated sarcoma on histological results of resected specimen. Carboplatine was administered with systemic and intratumoral injection; however, the tumor was unresponsive and the dog was euthanized three months after initial presentation at client's request.

Clinical relevance: Undifferentiated soft-tissue sarcomas are uncommon skin tumor in dogs. The prognosis is poor due to malignant features of this neoplasm.

Key words: undifferentiated sarcoma, skin tumor, dog,

This work was supported by the Korea Science and Engineering Foundation (KOSEF) grant funded by the Korea government (MEST) (R11-2002-103).

*Corresponding author: parkhee@konkuk.ac.kr